

**From:** [Labiosa, Rochelle](#)  
**To:** [Guzzo, Lindsay](#)  
**Subject:** FW: New Ecology poster: Spatial Distribution of Benthic Macroinvertebrate Biomass in PS – Establishing a Baseline  
**Date:** Tuesday, June 19, 2018 6:46:00 PM

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Just making sure you received this

Rochelle Labiosa, Ph.D.  
Office of Water and Watersheds  
US EPA, Region 10  
1200 Sixth Avenue, Suite 155, MC: OWW-191  
Seattle, WA 98101-3140  
Ph: 206.553.1172

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**From:** Bilhimer, Dustin (ECY) [mailto:DBIL461@ECY.WA.GOV]  
**Sent:** Tuesday, June 19, 2018 12:01 PM  
**To:** PUGETSOUND-OXYGEN@LISTSERV.ECOLOGY.WA.GOV  
**Subject:** FW: New Ecology poster: Spatial Distribution of Benthic Macroinvertebrate Biomass in PS – Establishing a Baseline

The new poster (announced below) from Ecology's Environmental Assessment Program may be of interest to many of you.

**Dustin Bilhimer, PSNSRP Project Manager**

Washington State Department of Ecology  
Water Quality Program HQ  
(360) 407-7143  
[dbil461@ecy.wa.gov](mailto:dbil461@ecy.wa.gov)

Puget Sound Nutrient Source Reduction Project web page:

<https://ecology.wa.gov/Water-Shorelines/Puget-Sound/Helping-Puget-Sound/Reducing-Puget-Sound-nutrients>

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**From:** Olegre, Diana (ECY)  
**Sent:** Tuesday, June 19, 2018 11:46 AM

The poster, **Spatial Distribution of Benthic Macroinvertebrate Biomass in Puget Sound – Establishing a Baseline**, is available at <https://fortress.wa.gov/ecy/publications/SummaryPages/1803020.html>.

In 2016, a biomass and size-classification component was added to the suite of benthic community indices analyzed by Ecology's [Marine Sediment Monitoring Program](#). Biomass and size of benthic organisms can provide valuable information on:

- **Productivity** - nutrient cycling.
- **Ecosystem function** - feeding, bioturbation.
- **Stability** of benthic communities over time.
- **Size structure** not captured by abundance data.
- **Effects of stressors** on size and development of individual organisms.

**Objective:** Establish the first large-scale baseline of benthic macroinvertebrate biomass for Puget Sound.

This poster was presented at the Salish Sea Ecosystem Conference, April 2018, Seattle, WA. If you have questions, contact Dany Burgess at 360-407-6685 or [dany.burgess@ecy.wa.gov](mailto:dany.burgess@ecy.wa.gov).

Diana Ruth Olegre  
Web Coordinator and SharePoint Site Collection Administrator  
Washington State Department of Ecology  
[Environmental Assessment Program](#)

[diana.olegre@ecy.wa.gov](mailto:diana.olegre@ecy.wa.gov)  
360-407-6696

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